

As a Civil Engineer for Construction, you will manage and administer major construction projects for the Metropolitan Washington Airports Authority.

JOB DESCRIPTION

- Construction Engineer (Civil)
- Works under the general supervision of the Construction Department Manager and/or Supervisory Construction Engineer.
- Serves in the Construction Department of the Office of Engineering, Metropolitan Washington Airports Authority (Airports Authority).

Manages and administers Capital Construction Program (CCP) projects and large projects funded by the Capital, Operating and Maintenance Investment Program (COMIP) throughout the Airports Authority including projects at Ronald Reagan Washington National Airport (DCA), Washington Dulles International Airport (IAD), the Dulles International Airport Access Highway (DIAAH), and the Dulles Toll Road (DTR). Performs special studies and projects to establish and improve construction scheduling, quality assurance, cost control, progress reporting, and safety. Performs related functions.

GENERAL RESPONSIBILITIES

- Directs, coordinates, and monitors all construction phases and activities of the Airports Authority's principal management consultant team, including inspecting new construction in progress, making recommendations on work, and monitoring vendor performance.
- Focuses on Capital Construction Program projects; may also manage projects under the Capital Operating and Maintenance Investment Program and the Dulles Corridor Capital Improvement Program.
- Coordinates the submission of construction progress reports; reviews reports for adequacy and accuracy, schedules, and laboratory reports; reviews/approves shop drawings, material lists, and related materials; and confers with designers on submitted items to ensure that design intent is accomplished in construction.
- Reviews moderately to highly complex engineering designs and contract documents.
- Coordinates the design Architecture/Engineering (A/E) firms' construction phase services, ensuring adherence to correct procedures/processes.
- Coordinates projects with the Federal Aviation Administration (FAA), Virginia Department of Transportation (VDOT), Washington Metropolitan Area Transportation Authority (WMATA), and other Federal, state and local governmental agencies, as required.
- Ensures construction projects comply with the FAA Airport Improvement Program (AIP) and are conducted safely and in compliance with regulations.
- Coordinates all construction and related activities to ensure that the Airports Authority, as owner or user, is prepared to take over the operation and maintenance of completed projects.
- Participates in panels to select consultants and contractors for design and construction contracts; provides technical input to Contracting Officers.
- Under direction of the Construction Department Manager, administers and enforces contract terms and requirements to ensure Contractor compliance.

- Serves as Contracting Officer's Technical Representative (COTR); monitors and evaluates vendor performance.
- Performs other duties as assigned.

QUALIFICATIONS

- Seven years of progressively responsible experience managing and coordinating civil and structural engineering and construction projects including:
 - managing large civil engineering and construction projects;
 - planning, organizing, and monitoring quality control and ensuring work meets contract specifications, industry standards, and project design intent; and
 - making recommendations on all aspects of construction management.

KNOWLEDGE, SKILLS AND ABILITIES

1. Comprehensive knowledge of and skill in the principles and practices of civil engineering with emphasis on construction, as well as knowledge of other engineering fields (e.g., environmental engineering) to perform construction engineering analyses, supervise staff in construction management activities, and advise on critical construction issues.
2. Knowledge of key regulatory requirements of the building trades and generally accepted practices of the construction industry and of solicitation and contracting procedures and ability to apply it to authoritatively advise and supervise subordinates on a full range of construction management issues and monitor the work of construction firms, management consultants, and building contractors.
3. Ability to provide field management guidance and oversight to the operations and programs of a construction team.
4. Ability to perform complex analyses of data and information and make recommendations.
 - Ability to speak and write effectively.
 - Skill in using a computer and modern office suite software, with emphasis on project management and construction and engineering systems/software.

PREFERRED QUALIFICATIONS

- Experience managing major engineering projects and contracts in the public sector.
- Experience managing construction at an active airport environment.
- Certification as a Certified Construction Manager (CCM) from the Construction Manager Certification Institute, or an equivalent certification.
- Certification in, and experience implementing, the US Army Corps of Engineers Contractor Quality Control methodology and procedures.

EDUCATION

- A Bachelor's Degree in Civil Engineering, or related field, or an equivalent combination of education, experience, and training that totals four years.

- A fully equivalent combination of education and training beyond what is needed to satisfy the education requirement may be used to substitute for up to two of the seven years of experience. For example, a master's degree may substitute for two years of experience.

CERTIFICATIONS AND LICENSES REQUIRED

- A state driver's license in good standing.
- Licensure as a Professional Engineer in the Commonwealth of Virginia within 180 days from the date of the Final Offer Letter.

NECESSARY SPECIAL FACTORS

- Licensure as a PE in the Commonwealth of Virginia must be maintained.
- Operates vehicle landside and airside (requires AOA permit).
- Work is typically reviewed in progress and upon completion for quantity, quality, timeliness, teamwork, customer service, and other factors.
- May be required to work nights and weekends depending on project schedules and airport/roadway operations.
- Is subject to adverse weather conditions and exposed to dirt, grease, odors, hazardous substances, and loud noise when visiting construction sites. Wears protective equipment, as required.